UPLUS
NEW TECHNOLOGY BATTERY

US SERIES

6-9 YEARS GENERAL PURPOSE

US6-2.0 (6V2.0AH)

General Features

- Sealed and maintenance free operation.
- Non-Spillable construction design.
- ABS containers and covers(UL94HB, UL94V-0) optional.
- Safety valve installation for explosion proof.
- High quality and high reliability.
- Exceptional deep discharge recovery performance.
- Low self discharge characteristic.
- Flexibility design for multiple install positions.

Battery Type	Valve-Regulated,Absorbed Glass Mat(AGM) Technology					
Nomial Voltage	6V					
Capacity(20°C)	20HR(0.097A,1.8V/cell)	10HR(0.18A,1.80V)	5HR(0.33A,1.75V)	1HR(1.21A,1.60V)		
	1.84AH	1.80AH	1.65AH	1.21AH		
Dimensions	Length	Width	Height	Total Height		
	43mm(1.69inches)	37mm(1.45inches)	76mm(2.99inches)	76mm(2.99inches)		
Approx Weight	Approx 0.34 kg (0.75lbs)					
Internal Resistance	Full Charged at 20°C: Approx 40m Ù					
Self Discharge	3% of capacity declined per month at 20°C					
Capacity affected by Temperature (10HR)	40°C	25°C	0°C	-15°C		
	103%	100%	86%	65%		
Charging Voltage (V)	Cycle use		Float use			
	7.2V~7.5V at 20 °C. T emp. Coefficient -15mV/ °C		6.75V~6.9V at 20 °C.Temp. Coefficient (-10mV/ °C)			
Current	Max. Discharge Current		Initial Charging Current			
	30A		Less than 0.6A			
Operating T emp.Range	Discharge		Charging		Storage	
	-15～50°C (5 ～122°F)		0～40°C (32 ～104°F)		-15～40°C (5 ～104°F)	

Constant Current Discharge (Amperes) at 20 °C (68°F)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	3.62	2.78	2.30	1.99	1.56	1.15	0.966	0.571	0.447	0.363	0.299	0.260	0.209	0.175	0.096
1.80V/cell	4.86	3.55	2.78	2.35	1.83	1.33	1.08	0.623	0.481	0.388	0.321	0.279	0.222	0.180	0.097
1.75V/cell	5.48	3.90	3.04	2.53	1.90	1.38	1.13	0.646	0.490	0.396	0.330	0.286	0.226	0.185	0.098
1.70V/cell	6.03	4.25	3.24	2.66	1.98	1.44	1.17	0.662	0.503	0.407	0.338	0.292	0.229	0.189	0.100
1.65V/cell	6.65	4.59	3.45	2.83	2.09	1.47	1.19	0.672	0.525	0.421	0.347	0.299	0.233	0.193	0.101
1.60V/cell	7.33	4.98	3.69	3.01	2.21	1.54	1.21	0.701	0.541	0.434	0.359	0.305	0.235	0.195	0.102

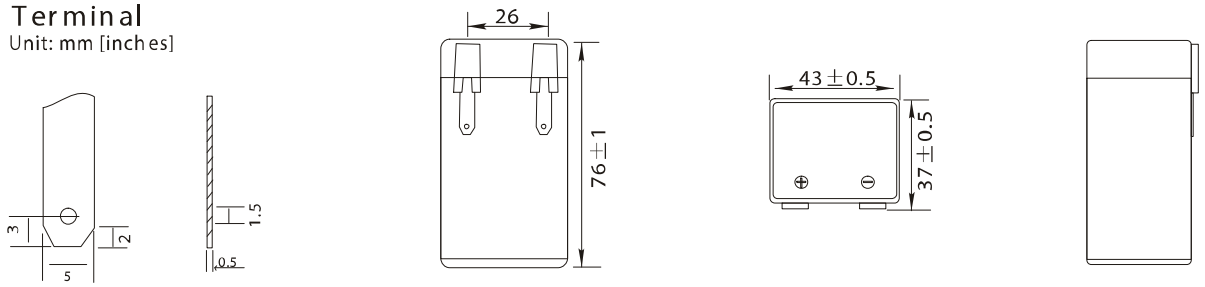
Constant Power Discharge (Watts) at 20 °C (68°F)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	6.62	5.13	4.29	3.75	2.96	2.20	1.86	1.11	0.871	0.710	0.587	0.511	0.413	0.346	0.190
1.80V/cell	8.79	6.48	5.12	4.37	3.44	2.54	2.08	1.20	0.932	0.754	0.627	0.545	0.437	0.356	0.192
1.75V/cell	9.69	7.01	5.52	4.66	3.55	2.61	2.16	1.24	0.945	0.768	0.641	0.559	0.444	0.366	0.194
1.70V/cell	10.4	7.46	5.81	4.86	3.67	2.71	2.22	1.27	0.970	0.787	0.657	0.569	0.450	0.373	0.197
1.65V/cell	11.3	7.98	6.14	5.12	3.84	2.75	2.26	1.28	1.01	0.811	0.672	0.580	0.456	0.380	0.199
1.60V/cell	12.2	8.47	6.45	5.39	4.03	2.85	2.27	1.33	1.03	0.834	0.692	0.591	0.459	0.383	0.200

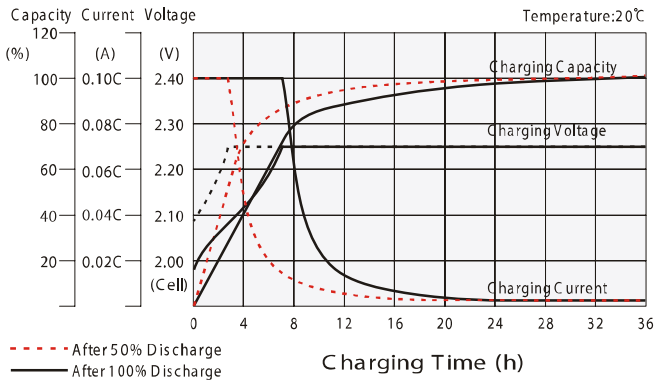
Dimensions

Terminal

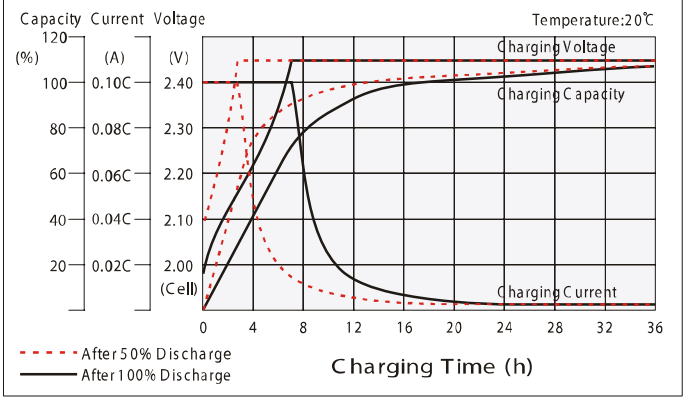
Unit: mm [inches]



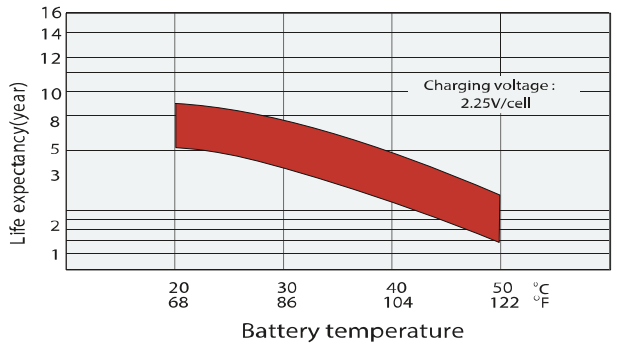
Float charging characteristics



Cycle use charging characteristics

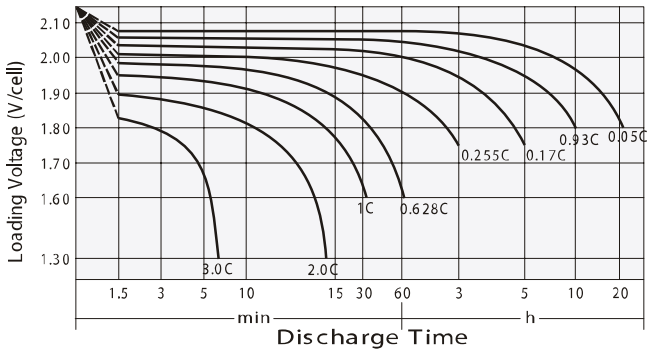


Effect of Temperature on Long Term Float Life

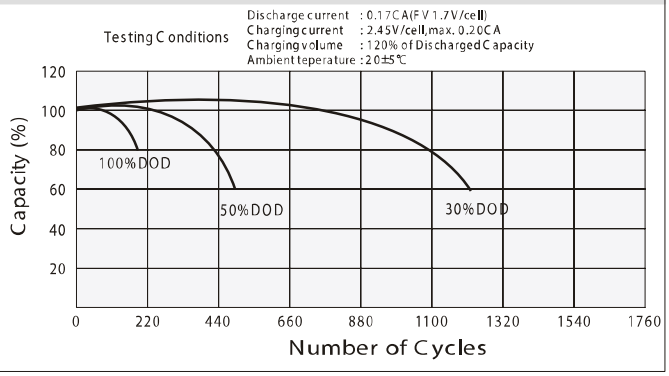


Discharge characteristics

Temperature:20℃



Cycle Life in Relation to Depth of Discharge



Self Discharge Characteristics